

Title (en)
Low-bed trailer suspension system.

Title (de)
Aufhängungssystem für Tiefladeanhänger.

Title (fr)
Système de suspension pour remorque à plateau de chargement surbaissé.

Publication
EP 0455868 A2 19911113 (EN)

Application
EP 90122887 A 19901129

Priority
US 51916490 A 19900504

Abstract (en)
An axle suspension assembly for a low-bed trailer wherein the frame is formed of I-beams at each side thereof and each I-beam has an intermediate portion sloping upwardly and rearwardly between a low central portion and a higher rear portion. The customary trailing arm or equalizing beam is pivotally mounted on the web of this sloping portion of the I-beam utilizing a bushing assembly. Basically, the bushing assembly includes two pivot brackets which are bolted to opposite sides of the web and which carry, by way of a resilient bushing a bushing core through which a fastener may pass so as to clamp opposite arms of a yokelike forward portion of the trailing arm to the bushing core. The bushing core passes through an opening formed in the web with the opening being elongated in a fore and aft direction whereby the bushing assembly may be adjusted so as to accurately position the mounted axle transversely of the trailer frame. Each pivot bracket includes a collar and in a preferred embodiment of the bushing, separate bushings are pressed into the collars with the bushings being bonded to separately formed bushing cores. <IMAGE>

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B60G 7/02

IPC 8 full level
B60G 7/02 (2006.01)

CPC (source: EP US)
B60G 7/02 (2013.01 - EP US); **B60G 2204/4306** (2013.01 - EP US); **F16B 2200/403** (2018.07 - EP US); **F16B 2200/506** (2018.07 - EP US); **Y10T 403/7049** (2015.01 - EP US)

Cited by
EP1478529A4; US6227554B1

Designated contracting state (EPC)
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US 4991872 A 19910212; AU 629416 B2 19921001; AU 6497690 A 19911107; CA 2029996 A1 19911105; DE 69012314 D1 19941013; DE 69012314 T2 19950427; DK 0455868 T3 19950320; EP 0455868 A2 19911113; EP 0455868 A3 19920708; EP 0455868 B1 19940907

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